



Downloadable Dynamometer Database (D³)- Test Summary Sheet

2012 Ford Focus

Vehicle Architecture	Conventional
Document Date	10/5/2012
Revision Number	1
Notes: 2.0 Ti-VCT GDI Inline 4, 6 speed automatic	

Vehicle Setup Information

Test Cell Location	2WD
Vehicle Dynamometer Input	
Test weight [lb]	3250
Target A [lb]	27.18
Target B [lb/mph]	0.2369
Target C [lb/mph ²]	0.01933
Test Fuel Information	
Fuel type	Tier II EEE HF437
Fuel density [g/ml]	0.743
Fuel Net HV [BTU/lbm]	18344

Test ID [#]	Cycle	Cold start (CSt) Hot start (HSt)	Date	Test Cell Temp [C]	Test Cell RH [%]	Test Cell Baro [in/Hg]	Vehicle cooling fan speed: Speed Match [StM] or constant speed [CSt]	Solar Lamps [W/m2]	Vehicle Climate Control settings	Hood Position [Up] or [Closed]	Window Position [Closed] or [Down]	Cycle Distance [mi]	Cycle Fuel economy [mpg] [Fuel scale]	Cycle HV battery Integrated net current [DC Ah]	Cycle HV battery Average Zero crossing Voltage [V]	Cycle HV battery Net Energy [DC kWh]	Cycle HV battery Net Energy Consumption [DC Wh/mi]	
Test information			Test cell information			Test cell setup		Vehicle setup				Electric energy consumption						
Test sequence purpose: Standard testing																		
71207062	UDDS CS	CSt	07/24/12	21.15	77.47	29.20	Cst spd	Off	Off	Up	Down	7.44	33.3					
71207063	UDDS HS	HSt	07/24/12	21.34	77.14	29.22	Cst spd	Off	Off	Up	Down	7.43	36.5					
71207065	Highway	HSt	07/24/12	21.27	75.57	29.23	Cst spd	Off	Off	Up	Down	20.48	53.5					
71207066	US06	HSt	07/24/12	21.29	73.75	29.25	Cst spd	Off	Off	Up	Down	8.00	35.2					
71207056	Steady State Speed	HSt	07/20/12	22.33	54.19	29.33	Cst spd	Off	Off	Up	Down							
Full charge test summary												Totals	43.35					
Re-charging information				N/A Ambient temperature during charge					HV battery integrated current [DC Ah]				N/A					
Level:									Charger integrated current [AC Ah]				N/A					
													HV battery integrated power [DC kWh]				N/A	
													Charger integrated power [AC kWh]				N/A	

Summary notes

For the highway and US06 cycles only the second (hot) test results are presented in this summary.

Electric energy consumption:

HV battery Integrated net current --> Integrated current as reported by power analyzer

HV battery Average Zero crossing Voltage --> Calculated Average Zero crossing Voltage over the phase or cycle

HV Net Energy --> Integrated power as reported by power analyzer

Note that HV Net Energy is not equal to the product of HV battery Integrated net current times Average Zero crossing Voltage.

* The vehicle coast down information for EPA

Advanced Powertrain Research Facility Data referencing:

- This data has originated from the Argonne National Laboratory D³ website. http://webapps.anl.gov/vehicle_data/
- The purpose of this information is to provide advanced technology vehicle chassis dynamometer test data for the engineering community. Mostly comprised of vehicle benchmarking test results, it is intended for the better understanding of the technology and for education. Data from this website may not be used as a source for publication or profit without consent of Argonne National Laboratory.
- Please contact d3info@anl.gov for questions, comments or inquiries.